

OIIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/870,501

DATE: 11/19/2001

TIME: 10:07:42

Input Set : A:\026350-053.ST25.txt

Output Set: N:\CRF3\11192001\I870501.raw

ENTERED

4 <110> APPLICANT: Takabe, Tetsuko
 6 <120> TITLE OF INVENTION: Peroxisomal Ascorbate Peroxidase Gene Induced by High
 7 Temperature Stress and a Transgenic Plant Exhibiting
 8 Thermotolerance
 10 <130> FILE REFERENCE: 026350-053
 12 <140> CURRENT APPLICATION NUMBER: 09/870,501
 13 <141> CURRENT FILING DATE: 2001-06-01
 15 <150> PRIOR APPLICATION NUMBER: JP 2000-172850
 16 <151> PRIOR FILING DATE: 2000-06-09
 18 <160> NUMBER OF SEQ ID NOS: 2
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 291
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Hordeum vulgare L. Haruna-nijyo
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 34 20 25 30
 37 Ile Met Leu Arg Leu Ala Trp His Asp Ala Gly Thr Tyr Asp Val Asn
 38 35 40 45
 41 Thr Arg Thr Gly Gly Ala Asn Gly Ser Ile Arg Tyr Glu Glu Glu Tyr
 42 50 55 60
 45 Thr His Gly Ser Asn Ala Gly Leu Lys Ile Ala Ile Asp Leu Leu Glu
 46 65 70 75 80
 49 Pro Ile Lys Ala Lys His Pro Lys Ile Thr Tyr Ala Asp Leu His Gln
 50 85 90 95
 53 Leu Ala Gly Val Val Ala Val Glu Val Thr Gly Gly Pro Thr Val Glu
 54 100 105 110
 57 Phe Ile Pro Gly Arg Arg Asp Ser Ser Val Cys Pro Arg Glu Gly Arg
 58 115 120 125
 61 Leu Pro Asp Ala Lys Lys Gly Ala Pro His Leu Arg Asp Ile Phe Tyr
 62 130 135 140
 65 Arg Met Gly Leu Thr Asp Lys Asp Ile Val Ala Leu Ser Gly Gly His
 66 145 150 155 160
 69 Ser Leu Gly Lys Ala His Pro Glu Arg Ser Gly Phe Asp Gly Ala Trp
 70 165 170 175
 73 Thr Arg Asp Pro Leu Lys Phe Asp Asn Ser Tyr Phe Leu Glu Leu Leu
 74 180 185 190
 77 Lys Gly Glu Ser Glu Gly Leu Leu Lys Leu Pro Thr Asp Lys Ala Leu
 78 195 200 205
 81 Leu Asp Asp Pro Glu Phe Arg Arg Tyr Val Glu Leu Tyr Ala Lys Asp
 82 210 215 220
 85 Glu Asp Val Phe Phe Lys Asp Tyr Ala Glu Ser His Lys Lys Leu Ser
 86 225 230 235 240
 89 Glu Leu Gly Phe Thr Pro Arg Ser Ser Gly Pro Ala Ser Thr Lys Ser

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108 <212> TYPE: DNA
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116 ctccgcctcg catggcatga tgctggcacc tatgatgtga acacaagaac tgggtggtgca      180
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120 gctattgata tccttgagcc tattaaagcg aagcatccaa agattacata tgcagacctt      300
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/870,501

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